L Number	Hits		DB	Time stamp
1	3683690	password or PIN or (personal with number)	USPAT;	2004/11/02 09:18
		or key or code or (pass with phrase) or (pass with code) or passphrase or passcode	US-PGPUB; EPO; JPO;	
		(pass with code) of passphrase of passcode	DERWENT;	
			IBM TDB	,
2	8586455	expir\$3 or old or inactive or used or past	USPAT;	2004/11/02 09:19
		or historic or gone or "no longer" or	US-PGPUB;	
		previous or former or retired or dormant	EPO; JPO;	
			DERWENT; IBM TDB	
3	6450554	reactiv\$5 or activ\$5 or assign\$5 or set\$3	USPAT;	2004/11/02 09:19
-		or restor\$5 or reestablish\$5	US-PGPUB;	2001, 22, 02 03, 23
			EPO; JPO;	
			DERWENT;	
4	45028	 (password or PIN or (personal with number)	IBM_TDB USPAT;	2004/11/02 09:21
"	43026	or key or code or (pass with phrase) or	US-PGPUB;	2004/11/02 09:21
		(pass with code) or passphrase or	EPO; JPO;	
		passcode) with (expir\$3 or old or inactive	DERWENT;	
		or used or past or historic or gone or "no	IBM_TDB	
		longer" or previous or former or retired		
		or dormant) with (reactiv\$5 or activ\$5 or assign\$5 or set\$3 or restor\$5 or		
		reestablish\$5)		
5	3642	(digital with certificat\$5) and ((digital	USPAT;	2004/11/02 09:22
		with signatur\$5) or (digital with sign\$5))	US-PGPUB;	
			EPO; JPO;	
			DERWENT; IBM TDB	
6	4792735	random\$5 or variabl\$5 or varying or	USPAT;	2004/11/02 09:22
	1.32.00	chang\$5	US-PGPUB;	2004/11/02 03:22
			EPO; JPO;	
			DERWENT;	
7	203783	(nanguard or DIN or (nargonal with number)	IBM_TDB USPAT;	2004/11/02 09:23
'	203763	(password or PIN or (personal with number) or key or code or (pass with phrase) or	US-PGPUB;	2004/11/02 09:23
		(pass with code) or passphrase or	EPO; JPO;	
		passcode) with (random\$5 or variabl\$5 or	DERWENT;	
	000004	varying or chang\$5)	IBM_TDB	0004/11/00 00 00
8	890684	challeng\$5 or request\$5 or question\$5 or query\$5 or authenticat\$5 or verify\$5 or	USPAT; US-PGPUB;	2004/11/02 09:23
		validat\$5 or authoriz\$5	EPO; JPO;	
,		, valuation of authorization	DERWENT;	•
			IBM_TDB	
9	603	((password or PIN or (personal with	USPAT;	2004/11/02 09:24
		number) or key or code or (pass with phrase) or (pass with code) or passphrase	US-PGPUB; EPO; JPO;	
		or passcode) with (expir\$3 or old or	DERWENT;	
		inactive or used or past or historic or	IBM_TDB	
		gone or "no longer" or previous or former	_	
		or retired or dormant) with (reactiv\$5 or		
		activ\$5 or assign\$5 or set\$3 or restor\$5 or reestablish\$5)) and ((digital with		
		certificat\$5) and ((digital with		
		signatur\$5) or (digital with sign\$5))) and		
		((password or PIN or (personal with		
		number) or key or code or (pass with		
		phrase) or (pass with code) or passphrase or passcode) with (random\$5 or variabl\$5		
		or varying or chang\$5)) and (challeng\$5 or		
		request\$5 or question\$5 or query\$5 or		
		authenticat\$5 or verify\$5 or validat\$5 or	i.	
10	170510	authoriz\$5)	порад	2004/11/02 00 00
10	172513	firewall or VPN or SSL or (one with password) or (first with password) or	USPAT; US-PGPUB;	2004/11/02 09:28
		login or client or ((remote or external or	EPO; JPO;	
		distant) with server)	DERWENT;	
			IBM_TDB	

11	7475	"public key" and "private key"	USPAT;	2004/11/02 0	10.20
	7475	public key and private key	US-PGPUB; EPO; JPO; DERWENT;	2004/11/02 0	19:28
12	444	(((password or PIN or (personal with number) or key or code or (pass with phrase) or (pass with code) or passphrase or passcode) with (expir\$3 or old or	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/11/02 1	.0:26
		inactive or used or past or historic or gone or "no longer" or previous or former or retired or dormant) with (reactiv\$5 or activ\$5 or assign\$5 or set\$3 or restor\$5 or reestablish\$5)) and ((digital with certificat\$5) and ((digital with signatur\$5) or (digital with sign\$5))) and	IBM_TDB		
		((password or PIN or (personal with number) or key or code or (pass with phrase) or (pass with code) or passphrase or passcode) with (random\$5 or variabl\$5 or varying or chang\$5)) and (challeng\$5 or request\$5 or question\$5 or query\$5 or authenticat\$5 or verify\$5 or validat\$5 or authoriz\$5)) and (firewall or VPN or SSL			
		or (one with password) or (first with password) or login or client or ((remote or external or distant) with server)) and ("public key" and "private key")			
13	202790	server and (client or user)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/11/02 0	9:29
14	6055	VPN .	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/11/02 0	9:29
18	17592	password.ab.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/11/02 0	9:30
	2	(((((password or PIN or (personal with number) or key or code or (pass with phrase) or (pass with code) or passphrase or passcode) with (expir\$3 or old or inactive or used or past or historic or gone or "no longer" or previous or former or retired or dormant) with (reactiv\$5 or activ\$5 or assign\$5 or set\$3 or restor\$5 or reestablish\$5)) and ((digital with certificat\$5) and ((digital with signatur\$5) or (digital with signatur\$5) or (digital with signatur\$5) or (personal with number) or key or code or (pass with phrase) or (pass with code) or passphrase or passcode) with (random\$5 or variabl\$5 or varying or chang\$5)) and (challeng\$5 or request\$5 or question\$5 or query\$5 or authenticat\$5 or verify\$5 or validat\$5 or authoriz\$5)) and (firewall or VPN or SSL or (one with password) or (first with password) or login or client or ((remote	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/11/02 0	9.30
		or external or distant) with server)) and ("public key" and "private key")) and (server and (client or user)) and VPN) and password.ab.			

	170			
15	170	((((password or PIN or (personal with	USPAT;	2004/11/02 10:25
	1	number) or key or code or (pass with	US-PGPUB;	
		phrase) or (pass with code) or passphrase	EPO; JPO;	
	1	or passcode) with (expir\$3 or old or	DERWENT;	
		inactive or used or past or historic or	IBM_TDB	
		gone or "no longer" or previous or former		
		or retired or dormant) with (reactiv\$5 or		
	1	activ\$5 or assign\$5 or set\$3 or restor\$5		
		or reestablish\$5)) and ((digital with		
		certificat\$5) and ((digital with		
		signatur\$5) or (digital with sign\$5))) and		
		((password or PIN or (personal with		
		number) or key or code or (pass with		
		phrase) or (pass with code) or passphrase		
		or passcode) with (random\$5 or variabl\$5		
		or varying or chang\$5)) and (challeng\$5 or		
		request\$5 or question\$5 or query\$5 or		
		authenticat\$5 or verify\$5 or validat\$5 or		
		authoriz\$5)) and (firewall or VPN or SSL		
		or (one with password) or (first with		
		password) or login or client or ((remote		
		or external or distant) with server)) and		
		("public key" and "private key")) and		
		(server and (client or user)) and VPN		
32	1	6324525.URPN.	USPAT	2004/11/02 10:02
53	1		USPAT	2004/11/02 10:02
54	3	5946669.URPN.	USPAT	2004/11/02 10:10
57	1		USPAT	2004/11/02 10:20
58	9	5893080.URPN.	USPAT	2004/11/02 10:20
61	1		USPAT	2004/11/02 10:23
62	32	5889863.URPN.	USPAT	2004/11/02 10:23
65	3	5889863.URPN. and "Virtual Private	USPAT;	2004/11/02 10:25
	_	Network"	US-PGPUB;	5001, 12, 02 10.20
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
66	202	expired with password	USPĀT;	2004/11/02 10:27
		• • • • • • • • • • • • • • • • • • • •	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
67	77	(expired with password) and ((password or	USPAT;	2004/11/02 10:27
		PIN or (personal with number) or key or	US-PGPUB;	·
		code or (pass with phrase) or (pass with	EPO; JPO;	
	1	code) or passphrase or passcode) with	DERWENT;	
		(expir\$3 or old or inactive or used or	IBM TDB	
		past or historic or gone or "no longer" or	_	
		previous or former or retired or dormant)		
		with (reactiv\$5 or activ\$5 or assign\$5 or		
		set\$3 or restor\$5 or reestablish\$5))		
_	310	713/155.ccls. and @ad<20010117	USPAT;	2004/11/01 08:04
			US-PGPUB;	
	1		EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	41	"6058480"	USPĀT;	2004/10/29 11:20
		"5668876"	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	36		USPAT;	2004/10/29 11:20
		"5668876") and @ad<20010117	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
_	6631741		USPAT;	2004/10/29 11:21
		transfer\$3 or exchang\$3	US-PGPUB;	
	1		EPO; JPO;	1
	1			
			DERWENT; IBM TDB	

-	3699366		USPAT;	2004/10/29 11:21
		authorizat\$4 or certificat\$5 or code or	US-PGPUB;	
		OTP	EPO; JPO;	
			DERWENT;	
	2722162		IBM_TDB	
_	3733153		USPAT;	2004/10/29 11:22
		master or host or central	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
_	1311176	challeng\$3 or request\$3 or question\$3 or	IBM_TDB USPAT;	2004/10/29 11:22
	1311170	query\$3 or check\$3	US-PGPUB;	2004/10/29 11:22
		queryes of checkes	EPO; JPO;	
			DERWENT;	
]			IBM TDB	
	4820419	respons\$3 or reply\$3 or mail\$3 or email\$3	USPAT;	2004/10/29 16:03
		or messag\$3 or signal\$3	US-PGPUB;	2001, 20, 23 20.00
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
_	1914443	client or customer or subject or person or	USPAT;	2004/10/29 11:23
		employee	US-PGPUB;	
			EPO; JPO;	·
			DERWENT;	
			IBM_TDB	
-	8228335	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	USPĀT;	2004/10/29 11:26
		socket or port or layer or HTTP	US-PGPUB;	
}			EPO; JPO;	
:			DERWENT;	
	0100100	111111111111111111111111111111111111111	IBM_TDB	
_	2120190		USPAT;	2004/10/29 11:26
		secur\$5	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
_	1/00315	random or variable .	IBM_TDB USPAT;	2004/10/29 11:26
1	1490313	random of variable	US-PGPUB;	2004/10/29 11:26
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
_	7716983	inactive or old or used or expir\$3 or past	USPĀT;	2004/10/29 11:27
		1	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM TDB	•
-	6418702	first or second or subsequent or next	USPĀT;	2004/10/29 11:27
		·	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
	07.50	lateta ana anniet i a tata de	IBM_TDB	0004/10/00 11 11
-	2768	1 2	USPAT;	2004/10/29 11:28
		key) and (private with key) and signatur\$3	US-PGPUB;	
]		and encrypt\$3	EPO; JPO;	
]			DERWENT; IBM TDB	
_	1185242	digital or certificate or (public with	USPAT;	2004/10/29 11:28
	1100242	key) or (private with key) or encrypt\$3 or	US-PGPUB;	2007/10/29 11.20
		signatur\$3	EPO; JPO;	
			DERWENT;	
			IBM TDB	
_	7437690	time or date or "onetime" or "one-time" or	USPAT;	2004/10/29 11:29
		OTM	US-PGPUB;	
			EPO; JPO;	
		•	DERWENT;	
			IBM_TDB	
-	543482	,	USPĀT;	2004/10/29 11:32
		transfer\$3 or exchang\$3) with (PIN or key	US-PGPUB;	
		or login or password or authorizat\$4 or	EPO; JPO;	
-		certificat\$5 or code or OTP)	DERWENT;	
			IBM TDB	1

-	38444	(challeng\$3 or request\$3 or question\$3 or	USPAT;	2004/10/29 11:38
		query\$3 or check\$3) with (PIN or key or login or password or authorizat\$4 or	US-PGPUB;	
		certificat\$5 or code or OTP) with (server	EPO; JPO; DERWENT;	
		or computer or processor or CPU or master	IBM TDB	
		or host or central)		
-	28881	((communicat\$4 or send\$3 or receiv\$3 or	USPAT;	2004/10/29 11:38
		transfer\$3 or exchang\$3) with (PIN or key	US-PGPUB;	
		or login or password or authorizat\$4 or	EPO; JPO;	
		certificat\$5 or code or OTP)) and	DERWENT;	
!		((challeng\$3 or request\$3 or question\$3 or query\$3 or check\$3) with (PIN or key or	IBM_TDB	
1		login or password or authorizat\$4 or		
		certificat\$5 or code or OTP) with (server		
		or computer or processor or CPU or master		
		or host or central))		
-	1206685	(first or second or subsequent or next)	USPAT;	2004/10/29 11:50
		<pre>with (respons\$3 or reply\$3 or mail\$3 or email\$3 or messag\$3 or signal\$3)</pre>	US-PGPUB;	
	,	emails of messags of signals;	EPO; JPO; DERWENT;	
			IBM TDB	
i -	286325	(client or customer or subject or person	USPAT;	2004/10/29 11:52
		or employee) with ((PIN or key or login	US-PGPUB;	
		or password or authorizat\$4 or	EPO; JPO;	
		certificat\$5 or code or OTP) or (time or	DERWENT;	
_	1340	date or "onetime" or "one-time" or OTM))	IBM_TDB	2004/10/29 11:54
	1340	(digital and certificate and (public with key) and (private with key) and signatur\$3	USPAT; US-PGPUB;	2004/10/23 11:34
		and encrypt\$3) and (inactive or old or	EPO; JPO;	
		used or expir\$3 or past) and (activat\$3 or	DERWENT;	
		reestablish or "re-establish" or reuse)	IBM_TDB	
-	520811	password.ab. or PIN.ab. or OTP.ab. or	USPAT;	2004/10/29 11:54
		login.ab.	US-PGPUB;	
			EPO; JPO; DERWENT;	
			IBM TDB	
-	6	(password.ab. or PIN.ab. or OTP.ab. or	USPĀT;	2004/10/29 11:55
		login.ab.) and ((challeng\$3 or request\$3	US-PGPUB;	
		or question\$3 or query\$3 or check\$3) with	EPO; JPO;	
		(authenticat\$3 or validat\$3 or certif\$3 or secur\$5) with (server or computer or	DERWENT; IBM TDB	
		processor or CPU or master or host or	1611_106	
,		central) with (random or variable) with		
		(inactive or old or used or expir\$3 or		
	_	past))		
-	1	((challeng\$3 or request\$3 or question\$3 or query\$3 or check\$3) with (authenticat\$3 or		2004/10/29 11:57
		validat\$3 or certif\$3 or secur\$5) with	US-PGPUB; EPO; JPO;	
		(server or computer or processor or CPU or	DERWENT;	•
		master or host or central) with (random or	IBM TDB	
		variable) with (inactive or old or used or	_	
		expir\$3 or past)) and (713/155.ccls. and		
_	5.6	<pre>@ad<20010117) (challeng\$3 or request\$3 or question\$3 or</pre>	USPAT;	2004/10/29 11:58
	30	query\$3 or check\$3) with (authenticat\$3 or	US-PGPUB;	2004/10/29 11:38
		validat\$3 or certif\$3 or secur\$5) with	EPO; JPO;	
		(server or computer or processor or CPU or	DERWENT;	
		master or host or central) with (random or	IBM_TDB	
		variable) with (inactive or old or used or		
1_	2	expir\$3 or past) 6470449.URPN.	USPAT	2004/10/29 12:02
-	0		USPAT	2004/10/29 12:02
-	4		USPAT;	2004/10/29 12:55
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
_	2	6058480.URPN.	IBM_TDB USPAT	2004/10/29 12:56
_	1		USPAT	2004/10/29 12:56
-	29	5668876.URPN.	USPAT	2004/10/29 12:57
-	0	6665800.URPN.	USPAT	2004/10/29 12:59
	1	6496936.URPN.	USPAT	2004/10/29 13:00

		C420407 (IDD)	T 2 2 2 2 2 2 2	1
-	0	6430407.URPN.	USPAT	2004/10/29 13:00
-	0	6321339.URPN.	USPAT	2004/10/29 13:01
-	0	6321339.URPN.	USPAT	2004/10/29 13:01
-	3	6282658.URPN.	USPAT	2004/10/29 13:02
-	5		USPAT	2004/10/29 13:10
-	13	1	USPAT	2004/10/29 13:06
-	5		USPAT	2004/10/29 13:08
-	81	5898830.URPN.	USPAT	2004/10/29 13:09
-	898	one.ab. and password.ab. and time.ab.	USPAT;	2004/10/29 13:12
			US-PGPUB;	1
			EPO; JPO;	ļ
			DERWENT;	,
	i '		IBM_TDB	
-	224	VPN and socket and secure and authenticate	USPAT;	2004/10/29 13:15
		and challenge and random	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
	_		IBM_TDB	
-	2	(one.ab. and password.ab. and time.ab.)	USPAT;	2004/10/29 13:11
		and (VPN and socket and secure and	US-PGPUB;	i i
İ		authenticate and challenge and random)	EPO; JPO;	
			DERWENT;	·
	}		IBM_TDB	
-	17940	OTP.ab. or password.ab.	USPAT;	2004/10/29 13:14
			US-PGPUB;	
ľ	1		EPO; JPO;	
	1		DERWENT;	
	1		IBM_TDB	
-	6		USPAT;	2004/10/29 13:13
		socket and secure and authenticate and	US-PGPUB;	
		challenge and random)	EPO; JPO;	·
			DERWENT;	
			IBM_TDB	
-	17940	OTP.ab. or password.ab. or passwords.ab.	USPAT;	2004/10/29 13:14
			US-PGPUB;	1
			EPO; JPO;	1
			DERWENT;	
		,	IBM_TDB	,
-	877		USPAT;	2004/10/29 13:15
		authenticat\$4 and challeng\$4 and random\$3	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	13		USPAT;	2004/10/29 13:27
		and (network\$3 and socket and secur\$4 and	US-PGPUB;	
		authenticat\$4 and challeng\$4 and random\$3)	EPO; JPO;	
		and @ad<20010117	DERWENT;	
			IBM_TDB	1
-	17	6275941.URPN.	USPAT	2004/10/29 13:22
-	3		USPAT	2004/10/29 13:26
-	473	"one-time password"	USPAT;	2004/10/29 13:27
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
1			IBM_TDB	
-	1196	password with exchang\$3	USPAT;	2004/10/29 13:28
			US-PGPUB;	
	ŀ		EPO; JPO;	
	1		DERWENT;	
		<u>,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, </u>	IBM_TDB	
-	43	"one-time password" and (password with	USPAT;	2004/10/29 13:28
		exchang\$3)	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
		<u> </u>	IBM_TDB	j
-	12	, , , , , , , , , , , , , , , , , , , ,	USPAT;	2004/10/29 13:36
		reusing) and ("one-time password" and	US-PGPUB;	
		(password with exchang\$3)) and (password	EPO; JPO;	
	1	with exchang\$3)	DERWENT;	
	1		IBM_TDB	
	6	6161185.URPN.	USPAT	2004/10/29 13:33

		·	<u> </u>	·
-	87	challeng\$3 with random\$3 with password	USPAT;	2004/10/29 13:37
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
	71	//DIN on how on login on necessary	IBM_TDB	2004/10/00 13:40
-	/ 1	((PIN or key or login or password or	USPAT;	2004/10/29 13:40
		authorizat\$4 or certificat\$5 or code or	US-PGPUB;	
		OTP) with (inactive or old or used or	EPO; JPO;	
		expir\$3 or past)) and (challeng\$3 with	DERWENT;	
	2	random\$3 with password) "200117310"	IBM_TDB	2004/10/29 14:26
_		200117310	USPAT; US-PGPUB;	2004/10/29 14:26
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
_	0	200117310.URPN.	USPAT	2004/10/29 14:26
_	18314	1	USPAT;	2004/10/29 16:06
	10011	receiv\$3 or transfer\$3 or transmit\$3 or	US-PGPUB;	2004/10/23 10.00
		exchang\$3 or assign\$3)	EPO; JPO;	
		;	DERWENT;	
			IBM TDB	
_	18846	(challeng\$3 or query\$3 or request\$3 or	USPAT;	2004/10/29 15:58
		question\$3) with (authenticat\$5 or	US-PGPUB;	=====================================
		verificat\$5 or secur\$5 or certificat\$5 or	EPO; JPO;	
		validat\$5) with (server or computer or	DERWENT;	
		machine or device or CPU or provider or	IBM TDB	
		host or distribut\$5 or vendor)		
_	3755572	1	USPAT;	2004/10/29 15:59
		address\$3	US-PGPUB;	111, 31, 21 13.33
			EPO; JPO;	
			DERWENT;	·
			IBM TDB	
_	9814405	first or second\$3 or next or subsequent or	USPAT;	2004/10/29 16:01
		different or secure or known or	US-PGPUB;	
		establish\$3 or previous or old or new	EPO; JPO;	
		-	DERWENT;	
			IBM TDB	
-	1350	random with password	USPĀT;	2004/10/29 16:02
			US-PGPUB;	
		·	EPO; JPO;	
		·	DERWENT;	
			IBM_TDB	
-	1211794	1	USPAT;	2004/10/29 16:05
		or address\$3) with (first or second\$3 or	US-PGPUB;	
		next or subsequent or different or secure	EPO; JPO;	
		or known or establish\$3 or previous or old	DERWENT;	
	6505505	or new)	IBM_TDB	0004/10/22 15 15
-	6591736	respons\$3 or reply\$3 or mail\$3 or email\$3	USPAT;	2004/10/29 16:06
		or messag\$3 or signal\$3 or transfer\$3 or	US-PGPUB;	
		transm\$5 or transmit\$3	EPO; JPO;	
			DERWENT;	
_	1105260	digital or contificate on circums	IBM_TDB	2004/10/20 16:06
-	1185360	digital or certificate or signature or	USPAT;	2004/10/29 16:06
		(public with key\$3) or encrypt\$5 or	US-PGPUB;	
	,	(private with key\$3)	EPO; JPO;	
			DERWENT;	
_	2770	digital and certificate and signature and	IBM_TDB USPAT;	2004/10/29 16:06
] =	2110	digital and certificate and signature and (public with key\$3) and encrypt\$5 and		\ \70.4\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
		(private with key\$3) and encrypt\$5 and (private with key\$3)	US-PGPUB; EPO; JPO;	
		/brivace mich veld?)		
			DERWENT; IBM TDB	
_	612301	(respons\$3 or reply\$3 or mail\$3 or email\$3	USPAT;	2004/10/29 16:08
	012301	or messag\$3 or signal\$3 or transfer\$3 or	US-PGPUB;	2007/10/29 10.00
		transm\$5 or transmit\$3) with (digital or	EPO; JPO;	
		certificate or signature or (public with	DERWENT;	
		key\$3) or encrypt\$5 or (private with	IBM TDB	
		key\$3))	-5100	
L	ı	1	ı	1

_	40	(password with (send\$3 or distribut\$3 or	USPAT;	2004/10/29	16:09
		receiv\$3 or transfer\$3 or transmit\$3 or	US-PGPUB;	= 0 0 1, = 0, = 5	
		exchang\$3 or assign\$3)) and ((challeng\$3	EPO; JPO;		
		or query\$3 or request\$3 or question\$3)	DERWENT;		
		with (authenticat\$5 or verificat\$5 or	IBM TDB		
		secur\$5 or certificat\$5 or validat\$5) with			
		(server or computer or machine or device			
		or CPU or provider or host or distribut\$5			
		or vendor)) and ((channel\$3 or path\$3 or			
		rout\$3 or socket or address\$3) with (first			
		or second\$3 or next or subsequent or	ļ		
		different or secure or known or			
		establish\$3 or previous or old or new))			
		and (random with password) and (digital			
	1	and certificate and signature and (public			
	1	with key\$3) and encrypt\$5 and (private			
	1	with key\$3)) and ((respons\$3 or reply\$3 or			
	1	mail\$3 or email\$3 or messag\$3 or signal\$3			
	i	or transfer\$3 or transm\$5 or transmit\$3)			
		with (digital or certificate or signature			
		or (public with key\$3) or encrypt\$5 or			
	l	(private with key\$3)))			
	14	((password with (send\$3 or distribut\$3 or	USPAT;	2004/11/01	07:45
		receiv\$3 or transfer\$3 or transmit\$3 or	US-PGPUB;		
	ļ	exchang\$3 or assign\$3)) and ((challeng\$3	EPO; JPO;		
		or query\$3 or request\$3 or question\$3)	DERWENT;		
		with (authenticat\$5 or verificat\$5 or	IBM_TDB		
		secur\$5 or certificat\$5 or validat\$5) with			
		(server or computer or machine or device			
		or CPU or provider or host or distribut\$5			
		or vendor)) and ((channel\$3 or path\$3 or			
		rout\$3 or socket or address\$3) with (first			
	1	or second\$3 or next or subsequent or			
		different or secure or known or			
		establish\$3 or previous or old or new))			
	1	and (random with password) and (digital			
		and certificate and signature and (public			
	1	with key\$3) and encrypt\$5 and (private			
	1	with key\$3)) and ((respons\$3 or reply\$3 or			
	1	mail\$3 or email\$3 or messag\$3 or signal\$3			
	1	or transfer\$3 or transm\$5 or transmit\$3)			
	1	with (digital or certificate or signature			
	1	or (public with key\$3) or encrypt\$5 or			
	1	(private with key\$3)))) and @ad<20010117			
	1125	password adj3 (expir\$3 or previous or past	USPAT;	2004/11/01	10:46
		or old or prior or inactive or cancel\$3)	US-PGPUB;		
	1	11 11 11 FILLS OF SUMSSIAN	EPO; JPO;		
	1		DERWENT;		
	1		IBM TDB		

-	1	(((password with (send\$3 or distribut\$3 or	USPAT;	2004/11/01 07:47
		receiv\$3 or transfer\$3 or transmit\$3 or	US-PGPUB;	
		exchang\$3 or assign\$3)) and ((challeng\$3	EPO; JPO;	
		or query\$3 or request\$3 or question\$3)	DERWENT;	
		with (authenticat\$5 or verificat\$5 or	IBM TDB	1
		secur\$5 or certificat\$5 or validat\$5) with	_	
		(server or computer or machine or device		
		or CPU or provider or host or distribut\$5		
		or vendor)) and ((channel\$3 or path\$3 or		
1		rout\$3 or socket or address\$3) with (first		
		or second\$3 or next or subsequent or		
1		different or secure or known or		
1		establish\$3 or previous or old or new))	1	
1		and (random with password) and (digital		
		and certificate and signature and (public		
		with key\$3) and encrypt\$5 and (private		
		with key\$3)) and ((respons\$3 or reply\$3 or		
		mail\$3 or email\$3 or messag\$3 or signal\$3		
		or transfer\$3 or transm\$5 or transmit\$3)		
		with (digital or certificate or signature		
		or (public with key\$3) or encrypt\$5 or		
1		(private with key\$3)))) and @ad<20010117)		
1		and (password adj3 (expir\$3 or previous or	1	
1		past or old or prior or inactive or	1	
	1	cancel\$3))		
	14	1 , 12	USPAT;	2004/11/01 08:04
		receiv\$3 or transfer\$3 or transmit\$3 or	US-PGPUB;	
		exchang\$3 or assign\$3)) and ((challeng\$3	EPO; JPO;	
1		or query\$3 or request\$3 or question\$3)	DERWENT;	
		with (authenticat\$5 or verificat\$5 or	IBM TDB	
		secur\$5 or certificat\$5 or validat\$5) with	_	
		(server or computer or machine or device		
		or CPU or provider or host or distribut\$5		
		or vendor)) and ((channel\$3 or path\$3 or		
		rout\$3 or socket or address\$3) with (first		
		or second\$3 or next or subsequent or		
		different or secure or known or		
		establish\$3 or previous or old or new))		
		and (random with password) and (digital		
		and certificate and signature and (public		
		with key\$3) and encrypt\$5 and (private		
ŀ		with key\$3)) and ((respons\$3 or reply\$3 or		
		mail\$3 or email\$3 or messag\$3 or signal\$3		
		or transfer\$3 or transm\$5 or transmit\$3)		
ļ		with (digital or certificate or signature		,
		or (public with key\$3) or encrypt\$5 or		
		(private with key\$3)))) and @ad<20010117		
_	176	(password adj3 (expir\$3 or previous or	USPAT;	2004/11/01 08:06
	1	past or old or prior or inactive or	US-PGPUB;	2004/11/01 00.00
		cancel\$3)) and (713/\$.ccls. or	EPO; JPO;	
		380/\$.ccls) and @ad<20010117	DERWENT;	
		000,7.0010, and caa.20010111	IBM TDB	
1_	580	password adj3 (expir\$3 or inactive or	USPAT;	2004/11/01 08:06
}		cancel\$3 or old)	US-PGPUB;	2003/11/01 00:00
1		Cancerys of Old,	EPO; JPO;	
1			DERWENT;	
			IBM TDB	
1_	89	(password adj3 (expir\$3 or inactive or	USPAT;	2004/11/01 08:06
}		cancel\$3 or old)) and (713/\$.ccls. or	US-PGPUB;	2004/11/01 00:00
1		380/\$.ccls) and @ad<20010117	EPO; JPO;	
		JUDY CCIS; and wad ZUUTUIT!		
1			DERWENT;	
_		6145096 UDDN	IBM_TDB	2004/11/01 00 10
	3	·	USPAT	2004/11/01 08:19
1 -	6	6161185.URPN.	USPAT	2004/11/01 08:21
-	0	6341352.URPN.	USPAT	2004/11/01 08:26
-	0	6389282.URPN.	USPAT	2004/11/01 08:26
_	$\frac{1}{2}$	6389540.URPN.	USPAT	2004/11/01 08:26
-	2	6438550.URPN.	USPAT	2004/11/01 08:27
	1 0	6728884.URPN.	USPAT	2004/11/01 08:28

-	1350	random with password	USPAT;	2004/11/01 10:46
	1330	Landom with password	US-PGPUB;	2004/11/01 10.46
1			EPO; JPO;	
			DERWENT;	
		·	IBM TDB	
_	119	(password adj3 (expir\$3 or previous or	USPAT:	2004/11/01 10:46
	1	past or old or prior or inactive or	US-PGPUB;	2004/11/01 10.40
		cancel\$3)) and (random with password)	EPO; JPO;	
		cancerys, , and (random wren password)	DERWENT;	
			IBM TDB	
-	2073	challeng\$3 with authenticat\$5	USPAT;	2004/11/01 10:47
			US-PGPUB;	2004/11/01 10.4/
			EPO; JPO;	j j
			DERWENT;	
			IBM TDB	
_	12	((password adj3 (expir\$3 or previous or	USPAT;	2004/11/01 10:47
		past or old or prior or inactive or	US-PGPUB;	
		cancel\$3)) and (random with password))	EPO; JPO;	
		and (challeng\$3 with authenticat\$5)	DERWENT;	
			IBM TDB	
-	3	6226383.URPN.	USPAT	2004/11/01 10:51
_	4	6128742.URPN.	USPAT	2004/11/01 10:53
-	3	6094721.URPN.	USPAT	2004/11/01 10:54
	10	6061799.URPN.	USPAT	2004/11/01 10:56